Name: _____

at1110paper_practice_test (v10)

1. Expand the following expression into standard form.

$$(3x + 4)(7x - 8)$$

2. Solve the equation.
$$(2x + 3)(5x - 4) \ = \ 0$$

3. Expand the following expression into standard form.

$$(2x - 9)(2x + 9)$$

4. Expand the following expression into standard form.

$$(8x + 7)^2$$

5. Factor the expression.
$$x^2 - 11x + 28$$

6. Factor the expression.
$$49x^2 - 36$$

7. Solve the equation with factoring by grouping.
$$12x^2 + 15x + 8x + 10 \;=\; 0$$

8. Solve the equation.
$$5x^2 + 27x + 59 \;=\; 2x^2 - 4x + 3$$